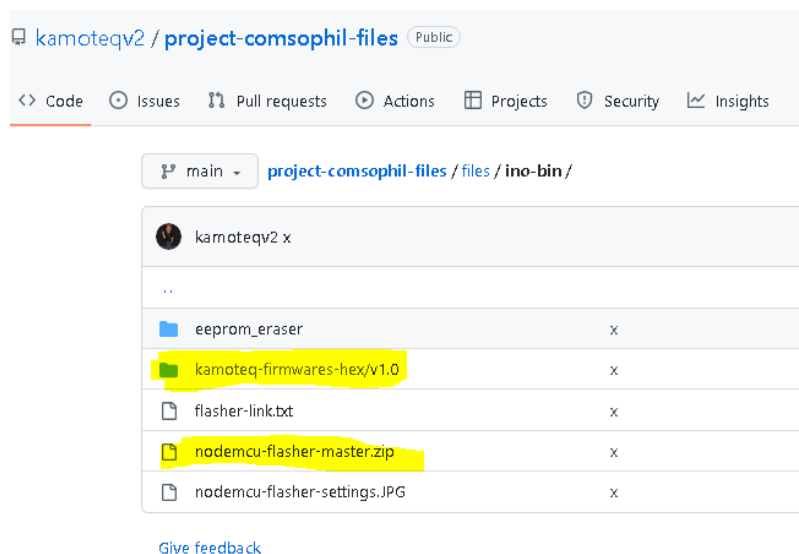


## Step 1

### Upload the Firmware / Bin File

1. Download the bin file and nodeMCU flasher and save them on your computer disk

<https://github.com/kamoteqv2/project-comsophil-files/tree/main/files/ino-bin>



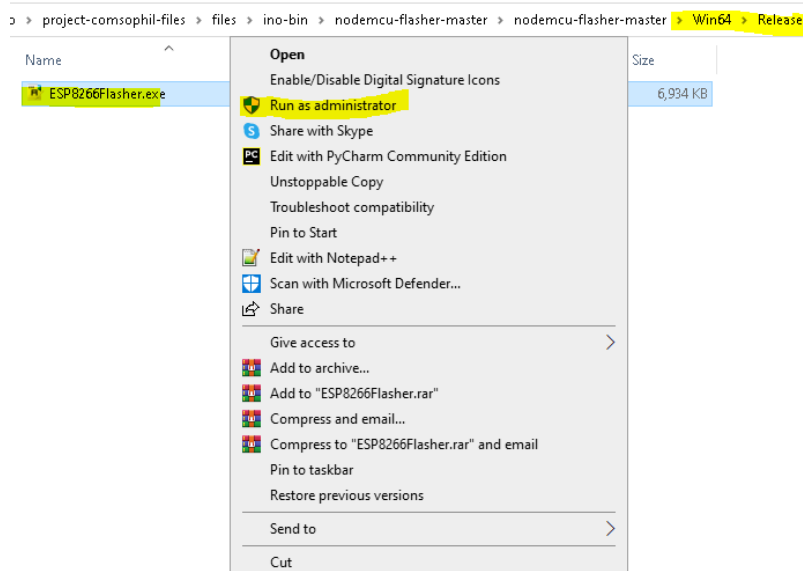
2. Extract the zipped nodeMCU flasher

eeeprom_eraser	1/19/2023 6:30 PM	File folder	
kamoteq-firmwares-hex	1/17/2023 5:27 AM	File folder	
nodemcu-flasher-master	1/20/2023 12:51 PM	File folder	
flasher-link.txt	1/19/2023 7:03 PM	Text Document	1 KB
nodemcu-flasher-master.zip	1/19/2023 6:14 PM	WinRAR ZIP archive	6,508 KB
nodemcu-flasher-settings.JPG	1/19/2023 6:54 PM	JPG File	43 KB

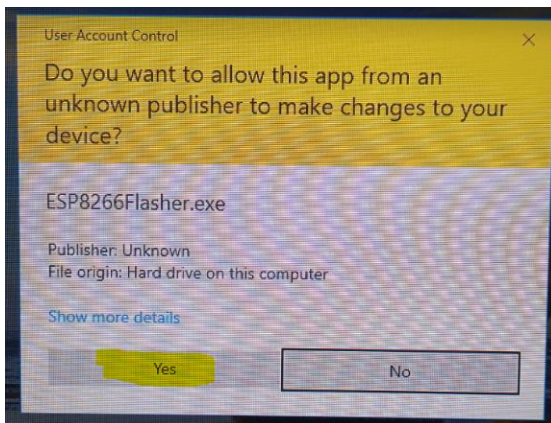
3. open extracted folder and look for the release inside the Win64 folder

no > project-comsophil-files > files > ino-bin > nodemcu-flasher-master > nodemcu-flasher-master > Win64 > Release			
Name	Date modified	Type	Size
ESP8266Flasher.exe	8/8/2017 4:39 PM	Application	6,934 KB

4. Click, right-click, and run as Administrator the executable file

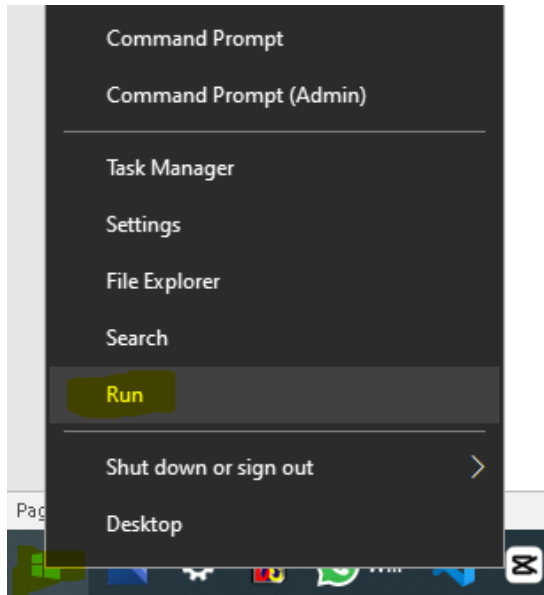


5. When asked to allow? You can click “Yes”

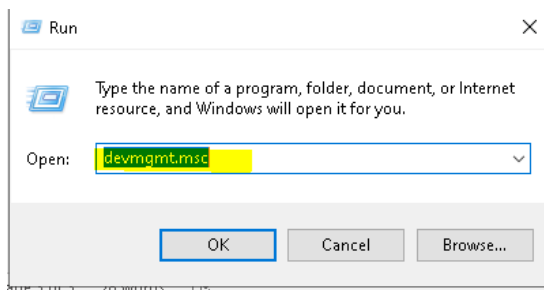


6. Connect the esp8266 nodeMCU to your computer with the micro-USB cable

7. Right click Window and click “Run”



8. Enter “devmgmt.msc” to open the device manager

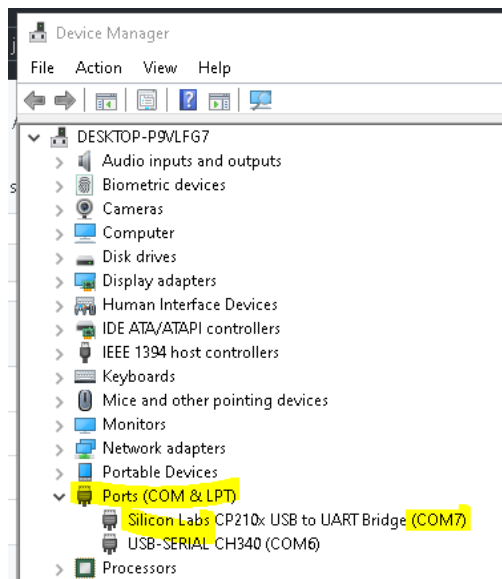


9. When asked/if it asked to allow the app just click “Yes”



10. Expand the Ports (COM & LPT), look for the Silicon Labs driver, and take note of the Com Port No.

Example below



11. In the above example we got COM7 but chances are this will be different from yours so make sure you follow the above steps,
12. now let's go back to the NodeMCU flasher and on the first tab "Operation" select the correct COM Port number

Example below



And on the "Config" tab click the small gear icon and find and select the downloaded bin file



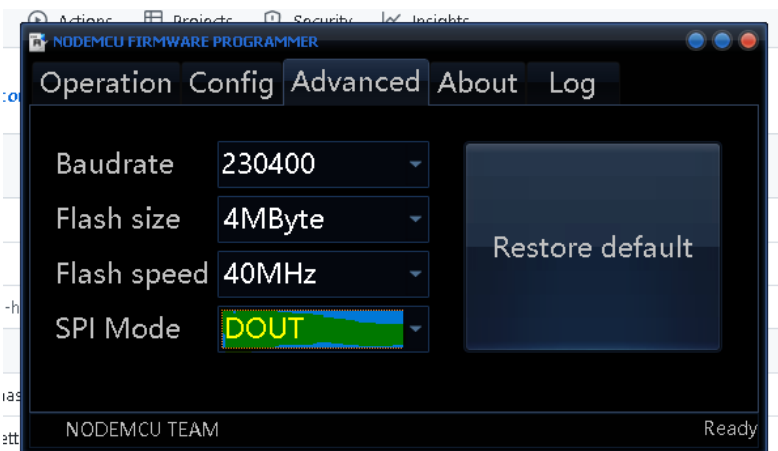
Note: there are three bin types corresponding to the DHT model connected to your current setup

**For example** if in your setup a DHT22 type sensor is connected then you must select the “NodeMCU-ESP8266-**DHT22**.ino.nodemcu.bin”

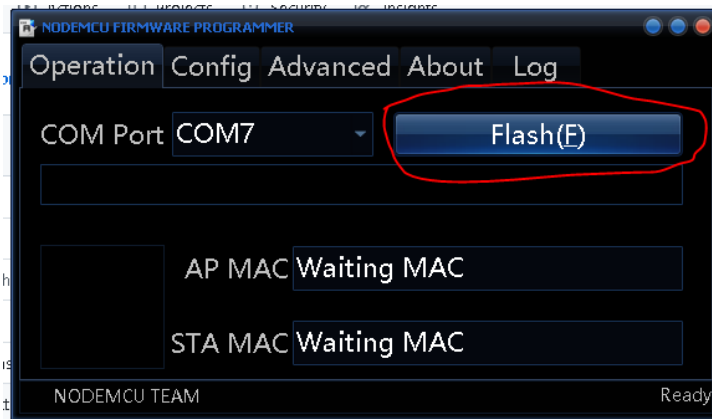
no > project-comsophil-files > files > ino-bin > kamoteq-firmwares-hex > v1.0

Name	Date modified	Type	Size
NodeMCU-ESP8266-DHT11.ino.nodemcu.bin	1/17/2023 8:53 PM	BIN File	340 KB
NodeMCU-ESP8266-DHT21.ino.nodemcu.bin	1/17/2023 8:52 PM	BIN File	340 KB
NodeMCU-ESP8266-DHT22.ino.nodemcu.bin	1/17/2023 8:51 PM	BIN File	340 KB

And last on the “Advance” tab leave everything default except! The SPI Mode – change it to “DOUT”



Go back to the “Operation” tab and you can start the flashing, click the



13. If completed without error, then Congratulations! If in the case you receive any error during the process, just repeat the steps again.

*Disclaimer: Avoid interrupting the device during flashing this is a critical stage of the process It can make your device useless*